

FORM PTO-1390 (REV. 2-2005)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER 9632-082
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		U.S. APPLICATION NO. (if known, see 37CFR 1.5)	
INTERNATIONAL APPLICATION NO. PCT/US2002/038414	INTERNATIONAL FILING DATE December 2, 2002	PRIORITY DATE CLAIMED <b>10/537143</b>	
TITLE OF INVENTION <b>MODIFIED L49-sFv EXHIBITING INCREASED STABILITY AND METHODS OF USE THEREOF</b>			
APPLICANT(S) FOR DO/EO/US <b>Charlotte F. McDonagh and Joseph A. Francisco</b>			
Applicant herewith submits to the United States Designated/ Elected Office (DO/EO/US) the following items and other information:			
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The U.S. has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)).           <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</li> </ul> </p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).           <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ul> </p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))           <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ul> </p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)) (unexecuted).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>			
<b>Items 11. to 20. below concern document(s) or information included:</b>			
<p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter 2 and 37 CFR 1.821- 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: Copy of WO 2004/050867 A1 (the publication of PCT/US2002/038414) and International Search Report.</p>			

US APPLICATION NO. if known see 37 CFR 1.51 <b>107537143</b>		INTERNATIONAL APPLICATION NO. PCT/US2002/038414	ATTORNEY'S DOCKET NUMBER 9632-082
<p>21. The following fees are submitted:</p> <p><b>BASIC NATIONAL FEE:</b></p> <p><input checked="" type="checkbox"/> a) Basic national fee ..... <b>\$300.00</b></p> <p><input checked="" type="checkbox"/> b) Examination fee ..... Was the International Preliminary Examination Report prepared by the USPTO and do all filed claims in this U.S. application satisfy provisions of PCT Article 33(1)-(4) (i.e., novelty, inventive step and industrial capability)? .....  <input type="checkbox"/> i) Yes (\$100.00) .....  <input checked="" type="checkbox"/> ii) No (\$200.00) .....</p> <p><input checked="" type="checkbox"/> c) Search fee ..... Was the USPTO the International Searching Authority? .....  <input checked="" type="checkbox"/> i) Yes (\$100.00) .....  ii) If no:  <input type="checkbox"/> (a) An International Search Report will be provided to the USPTO on or before payment of the search fee. (\$400.00) .....  <input type="checkbox"/> (b) No International Search Report will be provided to the USPTO. (\$500.00) .....</p>			
<b>TOTAL OF CALCULATIONS =</b> <b>\$ 600.00</b>			
<p><input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing of computer programs listing filed in electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.</p>			
Total Sheets 71 -100	Extra Sheets 0 /50	Number of each additional 50 or fraction thereof (round up to a whole number). 0	RATE x 250.00 \$0.00
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)). <b>\$ 130.00</b>			
CLAIMS	NUMBER FILED Total Claims 19 - 3	NUMBER EXTRA 75 16	RATE X x \$50.00 x \$200.00 + 360.00
<b>TOTAL OF ABOVE CALCULATIONS=</b> <b>\$ 8,040.00</b>			
<p><input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 50%</p>			
<b>SUBTOTAL =</b> <b>\$ 4,020.00</b>			
Surcharge of \$130.00 for furnishing the English Translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). <b>\$0.00</b>			
<b>TOTAL NATIONAL FEE</b> <b>= \$ 4,020.00</b>			
Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). 0 x \$40.00 per property <b>\$0.00</b>			
<b>TOTAL FEES ENCLOSED</b> <b>= \$ 4,020.00</b>			
<b>Amount to be refunded:</b> <b>charged:</b> <b>\$ 4,020.00</b>			
<p>a. <input type="checkbox"/> A check in the amount of <b>\$</b> to cover the above fees is enclosed.</p> <p>b. <input checked="" type="checkbox"/> This is an estimate of the fees due. Please charge Deposit Account No. 50-3013 to cover the required fees. A copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-3013. A copy of this sheet is enclosed.</p>			
<p><b>Note: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.</b></p>			
<p>22. <input type="checkbox"/> Other instructions</p>			
<p>23. <input checked="" type="checkbox"/> All correspondence for this application should be mailed to <b>JONES DAY 20583</b></p>			
<p>24. <input checked="" type="checkbox"/> All telephone inquiries should be made to Jones Day (212) 901-9028.</p>			
Adriane M. Antler		<i>Adriane M. Antler</i>	32,605
NAME		SIGNATURE	REG. NO.
			June 1, 2005
			DATE